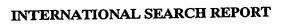
INTERNATIONAL SEARCH REPORT

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International application No. PCT/JP03/04132

A. CLASSI Int.(FICATION OF SUBJECT MATTER C1 ⁷ G01P21/00		
According to	International Patent Classification (IPC) or to both nation	onal classification and IPC	
B. FIELDS	SEARCHED		
Minimum do	cumentation searched (classification system followed by C1 ⁷ G01P21/00	v classification symbols)	
Documentati	on searched other than minimum documentation to the e	extent that such documents are included i	in the fields searched 1994–2003
Jitsu Kokai	yo Shinan Koho 1922—1996 Jitsuyo Shinan Koho 1971—2003	Jitsuyo Shinan Toroku Koho	1996–2003
Electronic da	ata base consulted during the international search (name	of data base and, where practicable, sear	ch terms used)
C DOCIT	MENTS CONSIDERED TO BE RELEVANT		
	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.
Category*			
	US 5000030 A (Agency of Indus Technology; Ministry of Inter	national trade &	
	Industry),		
l !	19 March, 1991 (19.03.91), Full text; all drawings		1,7,8,14,20,
Y	Full text; all drawings		21,28,32,33
A	Full text; all drawings	683949 A	2-6,9-13, 15-19,22-27,
	& JP 3-67175 A & CH & DK 76690 A	003743 A	29-31,34
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Y	22 October, 1993 (22.10.93), Full text; all drawings	•	1,7,8,14,20,
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A	Full text; all drawings	·	15-19,22-27,
	(Family: none)		29-31,34
וייין	ner documents are listed in the continuation of Box C.	See patent family annex. "T" later document published after the interest of t	ternational filing date or
* Speci	al categories of cited documents: nent defining the general state of the art which is not	priority date and not in conflict with	the application but cited to
	lered to be of particular relevance r document but published on or after the international filing	understand the principle or theory un "X" document of particular relevance; the	claimed invention cannot be
date	nent which may throw doubts on priority claim(s) or which is	considered novel or cannot be considered novel or cannot be considered step when the document is taken alor "Y" document of particular relevance; the	ne e claimed invention cannot be
cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		considered to involve an inventive step when the document is	
mean	s ment published prior to the international filing date but later	combination being obvious to a persu "&" document member of the same paten	t family
Date of the	the priority date claimed cactual completion of the international search	Date of mailing of the international sea	orch report
17	June, 2003 (17.06.03)	01 July, 2003 (01.	
Name and	mailing address of the ISA/	Authorized officer	
Jap	anese Patent Office		
Facsimile No.		Telephone No.	



International application No.
PCT/JP03/04132

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 3-109165 U (NEC Corp.), 08 November, 1991 (08.11.91), Full text; all drawings (Family: none)	1-34
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